International Conference on
Dermal Drug Delivery by Nanocarriers
14.-16.03.2016, Berlin

Accepted Poster Presentations

1. Alper ARSLAN, Filiz ATALAY, Ozgur EŞİM, Cansel KOSE OZKAN, Ayhan SAVAŞER, Yalçın ÖZKAN: PREPARATION AND IN VITRO EVALUATION OF TRANSDERMAL THERMOSENSITIVE GEL CONTAINING OXICONAZOLE NITRATE USING POLOXAMER 407. Gulhane Military Medical Academy Ankara , Turkey

2. Jens Balke, Falko Neumann, Robert Brodwolf, Pierre Volz, Nan Ma, Ulrike Alexiev: A HIGHLY SENSITIVE FLIM BASED ASSAY FOR THE DETECTION OF REACTIVE OXYGEN SPECIES. Freie Universität Berlin, Germany

3. Benjamin Balzus, Roland Bodmeier: INCORPORATION OF PLASTICIZERS INTO DEXAMETHASONE LOADED POLYMERIC NANOPARTICLES FOR DERMAL APPLICATION – INFLUENCE ON PARTICLE SIZE, DRUG LOADING AND DRUG RELEASE. Freie Universität Berlin, Germany

4. Ziyad Binkhathlan, Raisuddin Ali, Aws Alshamsan1, Abdulaziz Amalik, and Abdulmalek Theepan: DEVELOPMENT AND CHARACTERIZATION OF POLY(ε-CAPROLACTONE)-VITAMIN E TPGS NANOCARRIERS FOR POTENTIAL APPLICATIONS IN DRUG DELIVERY. King Saud University, Saudi Arabia (cancelled)

5. Nadia Brunacci, Toufik Naolou, Axel T. Neffe, Christian Wischke, Andreas Lendlein: EVALUATION OF SURFACTANTS FOR THE FORMATION OF SUB-MICRON DEPSIPEPTIDE PARTICLES. Helmholtz-Zentrum Geesthacht, Campus Teltow, Germany

6. Yan-Ping Chen, Chun-Hao Fang, Muoi Tang, Sheau-Ling Ho: APPLICATION OF THE SUPERCRITICAL FLUID PROCESS ON THE RE-CRYSTALLIZATION AND MICRONIZATION OF ACTIVE PHARMACEUTICAL INGREDIENTS FOR THE TREATMENT OF SKIN DISEASE. Chinese Culture University, Taipei, Taiwan (re-scheduled as oral contribution)

7. Miriam Colombo, Sven Staufenbiel, Roland Bodmeier: *IN SITU* DETERMINATION OF THE INCREASED SATURATION SOLUBILITY OF DEXAMETHASONE NANOCRYSTALS FOR DERMAL APPLICATION. Freie Universität Berlin, Germany

8. Mathias Dimde, Fitsum F. Sahle, Virginia Wycisk, Dirk Steinhilber, Jürgen Lademann, Rainer Haag: INVESTIGATION OF DYE LABELLED DPG-NANOGELS AS PH SENSORS IN HAIR FOLLICLES. INSTITUTE OF CHEMISTRY AND BIOCHEMISTRY, FREIE UNIVERSITÄT BERLIN. Freie Universität Berlin, Germany

9. Mathias Dimde and Falko Neumann, Janna Frombach, Annika Vogt, Nan Ma, Rainer Haag: PH CLEAVABLE DPG NANOGELS FOR DRUG DELIVERY THROUGH SKIN. Freie Universität Berlin, Germany

10. Nadine Döge, Stefan Hönzke, Fabian Schumacher, Benjamin Balzus, Miriam Colombo, Sabrina Hadam, Fiorenza Rancan, Ulrike Blume-Peytavi, Anke Schindler, Eckart Rühl, Per Stahl Skov, Martin Church, Sarah Hedtrich, Burkhard Kleuser, Roland Bodmeier, Annika Vogt: *EX VIVO* MICRODIALYSIS FOR THE PRECLINICAL ASSESSMENT OF DEXAMETHASONE RELEASE KINETICS IN BARRIER-DISRUPTED HUMAN SKIN. Charité Universitätsmedizin Berlin, Germany

11. M. Giulbudagian, F. Rancan, A. Klossek, K. Yamamoto, J. Jurisch, E. Rühl U. Blume-Peytavi, A. Vogt, M. Calderón: THERMORESPONSIVE NANOGELS INTERACTING WITH SKIN BARRIERS AND THEIR ABILITY TO ENHANCE DELIVERY OF ENCAPSULATED MOIETIES. Freie Universität Berlin, Germany

12. Meltem Haktanýyan, Eda Çaðlý, Ýrem Erel-Göktepe: pH and TEMPERATURE–TRIGGERED RELEASE of DOXORUBICIN from HYDROGEN-BONDED MULTILAYER THIN FILMS of POLY (2-ALKYL-2-OXAZOLINE)s. Middle East Technical University, Ankara, Turkey

13. David Hespeler, Sung Min Pyo, Cornelia M. Keck, Mont Kumpugdee Vollrath, Rainer H. Müller: SYNERGISTIC MICONAZOLE NITRATE NANOCRYSTAL FORMULATION WITH CHLORHEXIDINE DIGLUCONATE. Freie Universität Berlin, Germany

14. Stefan Hönzke, Leonie Wallmeyer, Anja Ostrowski, Moritz Radbruch, Lars Mundhenk, Monika Schäfer-Korting, Sarah Hedtrich: INFLUENCE OF TH2 CYTOKINES ON THE CORNIFIED ENVELOPE, TIGHT JUNCTION PROTEINS AND ß-DEFENSINS IN FILAGGRIN-DEFICIENT SKIN EQUIVALENTS. Freie Universität Berlin, Germany

15. Stefan Hönzke, Anja Elpelt, Michael Unbehauen, Emanuel Fleige, Florian Paulus, , Rainer Haag, Sarah Hedtrich: BIODEGRADABLE CMS NANOTRANSPORTER FOR TOPICAL DEXAMETHASONE DELIVERY. Freie Universität Berlin, Germany

16. Zinatossadat Hossainia, Faramarz Rostami-Charatib: ZnO nanoparticle: AN EFFECTIVE HETEROGENEOUS NANOCATALYST FOR THE SYNTHESIS OF 1,3-THIAZOLO[4,3-A]ISOQUINOLINES UNDER SOLVENT-FREE CONDITIONS. Islamic Azad University, Qaemshahr, Iran (cancelled)

17. Adéla Jenišťová, Marcela Dendisová, Pavel Matějka: STUDY OF THE INFLUENCE OF SILVER OR GOLD NANOPARTICLES ON THE DRUG PENETRATION USING VIBRATIONAL SPECTROSCOPY. University of Chemistry and Technology, Prague, Czech Republic

18. Sora Jung, Alexa Patzelt, Michael Giubudagian, Marcelo Calderón, Jürgen Lademann: ENHANCED FOLLICULAR PENETRATION OF THERMORESPONSIVE NANOGELS AFTER IR-IRRADIATION. Charité Universitätsmedizin Berlin, Germany

19. Bartosz Kowalik, Robert Schulz, Roland R. Netz: LIPID MEMBRANE PERMEABILITY FROM MD SIMULATIONS. Freie Universität Berlin, Germany

20. Carmen Lawatscheck, Marcus Pickhardt, Sebastian Wieczorek, Andrea Grafmüller, Katharina Linkert[1], Eckhard Mandelkow, Hans G. Börner: GENERALIZING THE CONCEPT OF SPECIFIC COMPOUND FORMULATION ADDITIVES TOWARD NON-FLUORESCENT DRUGS: A SOLUBILIZATION STUDY ON POTENTIAL ANTI-ALZHEIMER ACTIVE SMALL MOLECULE COMPOUNDS. Humboldt Universität zu Berlin, Germany

21. Stefan Lemke, Ernst-Josef Strätling, Hans-Peter Welzel, Rainer H. Müller, Cornelia M. Keck SMARTFILMS® - NOVEL DERMAL DELIVERY SYSTEM FOR NANOCARRIERS & AMORPHOUS ACTIVES. Hofmann & Sommer GmbH und Co. KG, Berlin, Germany

22. Felix Müller, Jörg Bauer, Wulf-Ole Luthardt, Stefan Hönzke, Michael Unbehauen, Eckart Rühl, Rainer Haag, Sarah Hedtrich, Jörg Rademann: CARBOHYDRATE-BASED NANOCARRIERS FOR DRUG ENCAPSULATION AND RELEASE. Freie Universität Berlin, Germany

23. Rainer H. Müller, Grégori Romero, Fred H. Monsuur, Cornelia M. Keck: SMARTPEARLS® - NOVEL DERMAL DELIVERY SYSTEM FOR AMORPHOUS COSMETIC ACTIVES & DRUGS. Hochschule Kaiserslautern, Pirmasens, Germany

24. Rainer H. Müller, Sung Min Pyo, Cornelia M. Keck: SMARTLIPIDS® - THE NEXT "CHAOTIC" GENERATION OF LIPID NANOPARTICLES AFTER SLN® AND NLC®. Freie Universität Berlin, Germany

25. Toufik Naolou, Axel T. Neffe, Andreas Lendlein: RING-OPENING POLYMERIZATION OF MORPHOLINE-2,5-DIONES BY IRON(II)ACETATE AND METAL ALKOXIDES. Helmholtz-Zentrum Geesthacht, Campus Teltow, Germany

26. Falko Neumann and Jens Balke, Andreas Lendlein, Ulrike Alexiev, Nan Ma: INVESTIGATION OF THE REACTIVE OXYGEN SPECIES PRODUCTION OF GOLD NANOPARTICLE WITH CONTROLLED SIZE. Helmholtz-Zentrum Geesthacht, Campus Teltow, Germany

27. Katja Obst, Nada Charbaji, Guy Yealland, Enrico Miceli, Mathias Dimde, Benjamin Balzus, Roland Bodmeier, Marcelo Calderón, Rainer Haag and Sarah Hedtrich: PROTEIN CORONA FORMATION ON POLYMERIC NANOPARTICLES AND ITS IMPACT ON CELLULAR INTERACTIONS WITH EPITHELIAL AND IMMUNE CELLS. Freie Universität Berlin, Germany

28. Xingzhou Peng, Marc Behl, Pengfei Zhang, A. Lendlein: MORPHOLINEDIONES WITH HEXYL SIDE CHAINS AS MONOMER FOR POLYDEPSIPEPTIDES WITH DECREASED $T_{G.}$ Helmholtz-Zentrum Geesthacht, Campus Teltow, Germany

29. Hannah Pischon, Moritz Radbruch, Anja Ostrowski, Michael Unbehauen, Christian Gerecke, Burkhard Kleuser, Rainer Haag, Lars Mundhenk and Achim D. Gruber: CMS NANOCARRIERS POSSESS HIGH BIOCOMPATIBILITY IN VITRO AND IN MICE FOLLOWING TOPICAL APPLICATION ON HEALTHY AND INFLAMED MOUSE SKIN. Freie Universität Berlin, Germany

30. Santhanam Ramesh, Balakrishnan Sreedhareen, Rajan Rajabalaya, Aswathy Balan: DEVELOPMENT OF TRANSDERMAL DELIVERY OF 5-FLUROURACIL SOLID LIPID NANOPARTICLES FOR BREAST CANCER. Nehru College of Pharmacy, Kerala, India

31. Gregori B. Romero, Anja Arntjen, Sven Gohla, Rainer H. Müller, Cornelia M. Keck: SMARTCRYSTALS® FOR IMPROVED DELIVERY OF ANTIOXIDANTS. Freie Universität Berlin, Germany

32. S. Saeidpour, S.B. Lohan, M. Anske, M. Unbehauen, E. Fleige, R. Haag, M.C. Meinke, R. Bittl, C. Teutloff LOCALIZATION OF DEXAMETHASONE WITHIN DENDRITIC CORE-MULTISHELL (CMS) NANOPARTICLES USING MULTI-FREQUENCY ELECTRON PARAMAGNETIC RESONANCE SPECTROSCOPY (EPR). Freie Universität Berlin, Germany

33. P. Schilrreff, A. Boreham, P. Volz, C. Zoschke, R. Brodwolf, M.J. Morilla E.L.Romero, M. Schäfer-Korting, U. Alexiev: A NEW FLUORESCENCE LIFETIME IMAGING MICROSCOPY TECHNIQUE REVEALS SKIN PENETRATION AND DIFFERENTIAL CELLULAR UPTAKE OF TECTO-DENDRIMER NANOPARTICLES IN HUMAN RECONSTRUCTED SKIN MODELS. Freie Universität Berlin, Germany

34. R. Schulz, K. Yamamoto, E. Rühl, R.R. Netz: KNOWLEDGE-BASED SKIN DIFFUSION MODELS. Freie Universität Berlin, Germany

35. Marthe Solleder, Marcus Weber: MOLECULAR DYNAMICS SIMULATIONS: WHAT IS THE EFFECT OF A SPIN PROBE ON THE DRUG LOADING OF A NANOCARRIER? Zuse Institute Berlin, Germany

36. Johannes Stellmacher, Harald R. Krüger, Robert Brodwolf, Marcelo Calderón, Ulrike Alexiev: INVESTIGATION OF A FRET-BASED THERANOSTIC MACROMOLECULAR PRODRUG IN LIVE CELL EXPERIMENTS USING TIME-RESOLVED FLUORESCENCE MICROSCOPY. Freie Universität Berlin, Germany

37. Laleh Talavat, Ali Güner: CHEMICAL AFFINITY PROFILES OF CERTAIN EFFECTIVELY USED ANTI-CANCER DRUGS IN CONTROLLED RELEASE SYSTEMS (I). Hacettepe University, Ankara, Turkey

38. Laleh Talavat, Arta Babapour, Ali Güner: MOLECULAR IMPRINTING FOR DETERMINATION OF ANTI-CANCER DRUGS AND CONTROLLED RELEASE SYSTEMS (II). Hacettepe University, Ankara, Turkey

39. Ngo Bich Nga Nathalie Tran, Wing Cheung Mak, Heike Richter, Martina Meinke, Jürgen Lademann and Alexa Patzelt: DETERMINATION OF THE RELEASE OF A MODEL DRUG FROM POROUS BSA NANOCARRIERS WITHIN THE HAIR FOLLICLE. Charité Universitätsmedizin Berlin, Germany

40. Michael Unbehauen, Fang Du, Karolina Walker, Stefan Hönzke, Sarah Hedtrich, Rainer Haag: Ester-Based Core-Multishell Nanocarriers for the Encapsulation of Hydrophobic Drugs. Freie Universität Berlin, Germany

41. Pierre Volz, Constantin Schneider, Celin Richter, Michael T. Quick, Rainer Mahrwald, Nikolaus P. Ernsting , Ulrike Alexiev: EXTENDING THE POTENTIAL OF PH-SENSITIVE DYES BY NEW DUAL-FLUORESCENCE SNARF PROBES AND FLIM. Freie Universität Berlin, Germany

42. Pierre Volz, Alexander Edlich, Robert Brodwolf, Michael Unbehauen, Rainer Haag, Burkhard Kleuser, Ulrike Alexiev: LIVE-CELL IMAGING USING FLIM TO REVEAL THE CELLULAR UPTAKE AND FATE OF A CORE-MULTISHELL CMS NANOCARRIER. Freie Universität Berlin, Germany

43. Christian Wischke, Deniz Ceylan Tuncaboylu, Andreas Lendlein: MICROGELS FROM PHOTOCROSSLINKING OF CINNAMYLIDENE ACETIC ACID MODIFIED POLYETHYLENE GLYCOL. Helmholtz-Zentrum Geesthacht, Campus Teltow, Germany

44. Kenji Yamamoto, R. Flesch, A. Klossek, T. Ohigashi, M. Weigand, F. Rancan, S. Hedtrich, R. Schulz, I. Bykova, Y. F. Wang, M. Bechtel, P. Patoka, G. Ulrich, S. Ahlberg, A. Vogt, U. Blume-Peytavi, P. Schrade, S. Bachmann, E. Fleige, M. Schäfer-Korting, R. Haag, R. Netz, N. Kosugi, E. Rühl: SELECTIVE PROBING OF DRUGS AND NANOCARRIERS IN SKIN USING X-RAY MICROSCOPY: INVESTIGATING BARRIERS FOR DRUG PENETRATION. Freie Universität Berlin, Germany

45. Nan Zhang, Christian Wischke, André Said, Vivian Kral, Robert Brodwolf, Alexander Boreham, Christian Gerecke, Wenzhong Li, Axel Neffe, Burkhard Kleuser, Ulrike Alexiev, Andreas Lendlein, Monika-Schäfer-Korting: COMPOSITION-DEPENDENT SKIN PENETRATION AND TOXICITY OF A SERIES OF POLY[ACRYLONITRILE-*CO*-(*N*-VINYL PYRROLIDONE)] NANOPARTICLES. Freie Universität Berlin, Germany

46. Gaith Zoubari, Sven Staufenbiel, Roland Bodmeier: EFFECT OF DRUG SOLUBILITY AND LIPID CARRIER ON DRUG RELEASE FROM LIPID NANOPARTICLES FOR DERMAL DELIVERY. Freie Universität Berlin, Germany

--

47. Daniel Klinger: REACTIVE PRECURSOR NANOPARTICLES AND STIMULI-RESPONSIVE MICRO- AND NANOGELS. Freie Universität Berlin, Germany

48. Diana Klushina: THE DEVELOPMENT OF A POLYMERIC NANOCOMPOSITE WITH ANTIBACTERIAL AND ANTITUMORIAL PROPERTIES. VSB -Technical University of Ostrava, Czech Republik

Conference Website:
http://www.sfb1112.de/en/Internationale-Tagung-des-SFB-1112/index.html